

**ABSTRACT OF THE DISCLOSURE**

The present invention provides for a system and method for reducing power consumption in frame and cell data transmission systems. A transmitter power manager powers down (turns off) selected elements of a transmitter system during periods of transmitter inactivity. The transmitter power manager system detects incoming communication signals which are to be transmitted by the transmitter, and at the appropriate time, powers up (turns on) the selected elements which are controlled by the transmitter power manager.